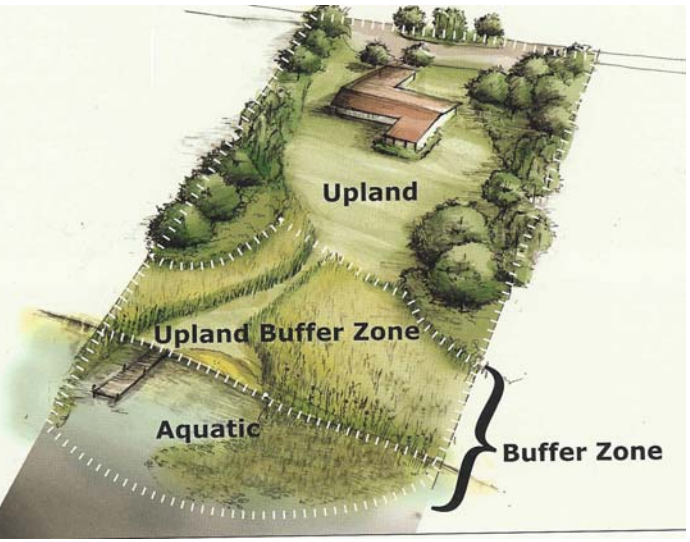
Lakefront Park
Demonstration Buffer Strip



Paul H. Lord
David Sanford
Carl Good

Otsego Lake Association (OLA)

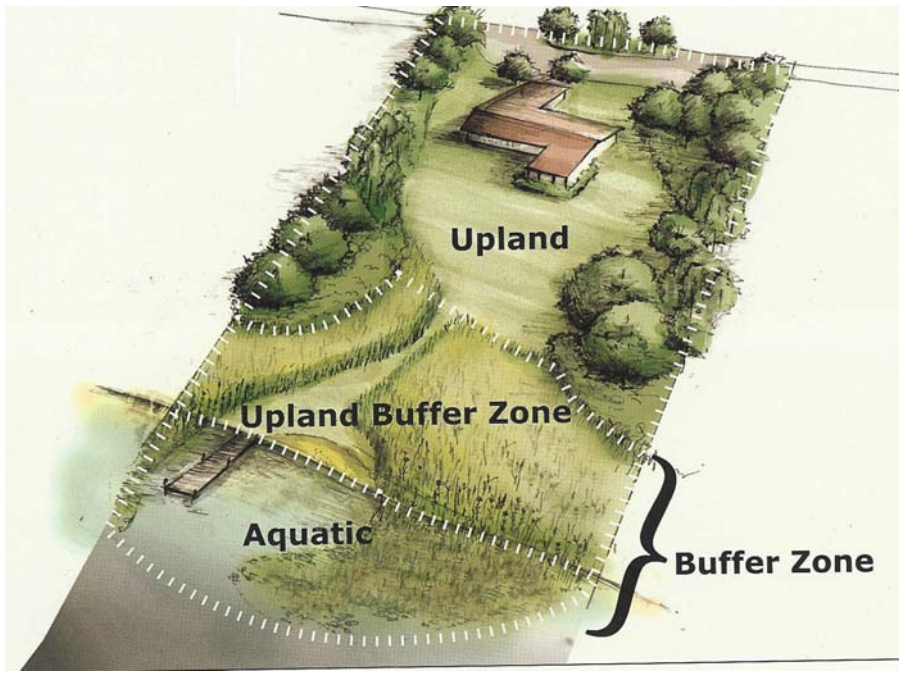
Thank you!

For accepting our gift

Buffer Strips

- Deep rooted plants
  - slow downhill flow
    - water & mud;
  - stabilize shoreline
    - reducing erosion
      - now evident behind seawall;
  - discourage geese;
  - grab nutrients;
  - discourage invasive plants
    - in Lake.
- 25’ - 40’ deep
  - more if particularly steep.

Ideal Pond or Lake Buffer



Pioneer Street Demonstration Buffer Strip

Purpose

- Show lakeshore property owners
  - how to protect Lake
    - while enhancing aesthetics.

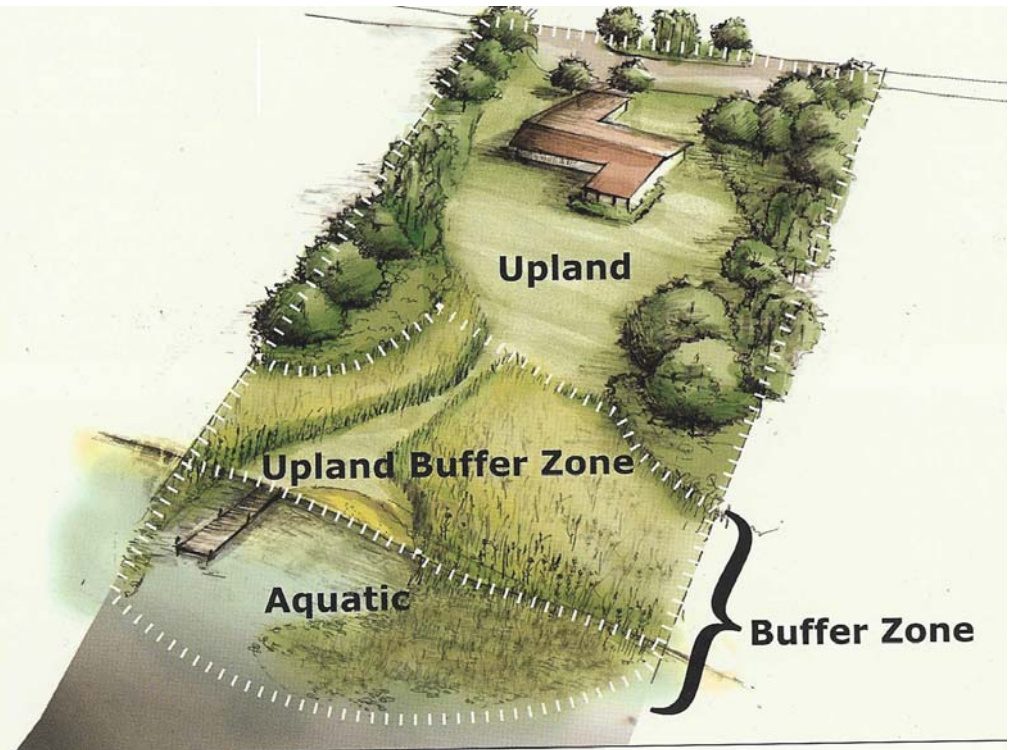
Pioneer Street

Demonstration Buffer Strip

- Not yet quite functional
  - Pioneer Street storm water
    - erodes plantings
    - overlays planting
      - with street sediments
  - Seawall
    - Reflects energy back into lake
      - resuspending Lake sediments
        - » akin to motorboat resuspensions

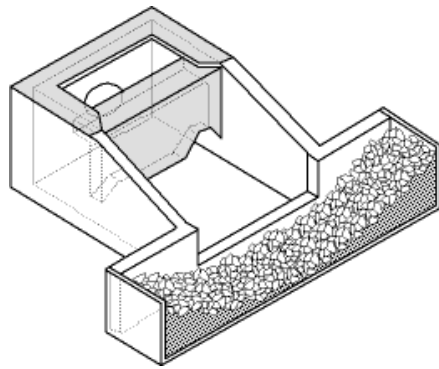
Proposal – In 2 Parts

- OLA Actions
- Village Actions



Proposal: OLA Actions

- Further develop demonstration buffer strip
  - Procure storm water filter/infiltration devices
    - capture "1st flush" sediments
    - $4,500 committed for purchase
    - coordinate with Village
      - » POCs: Brian Clancy & Carter Coleman
  - Procure clean boulders (riprap)
  - Coordinate with DEC
    - on behalf of Village
      - » for installation of riprap



Proposal: Village Actions

- Select storm water devices
  - with OLA
- Install storm water devices
- Clean storm water devices
- Install riprap
- Expand buffer strip

Proposal:

Village Expansion of Buffer Strip

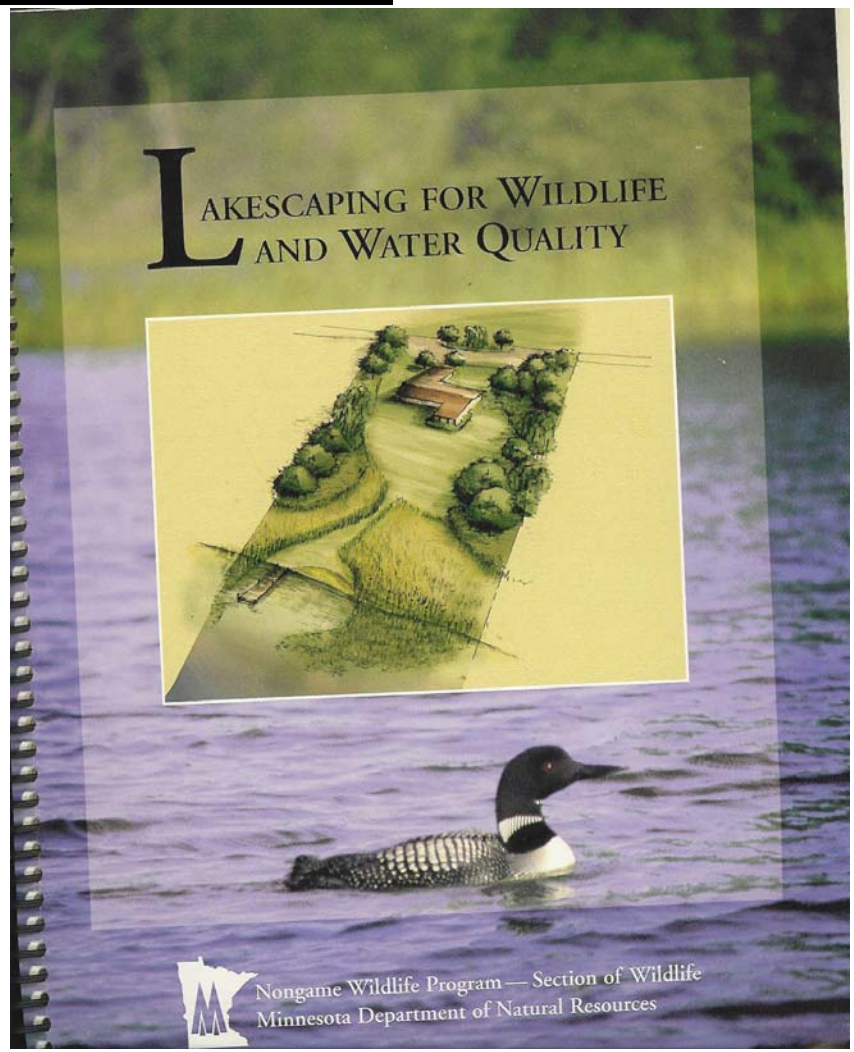
- Solicit proposals
  - Landscapers
  - Community organizations

  for 45’ lengths across Lake Front Park
- Install storm water devices
  - Fish Road &
  - Fair Street
- Using lessons learned
  - from Pioneer Street

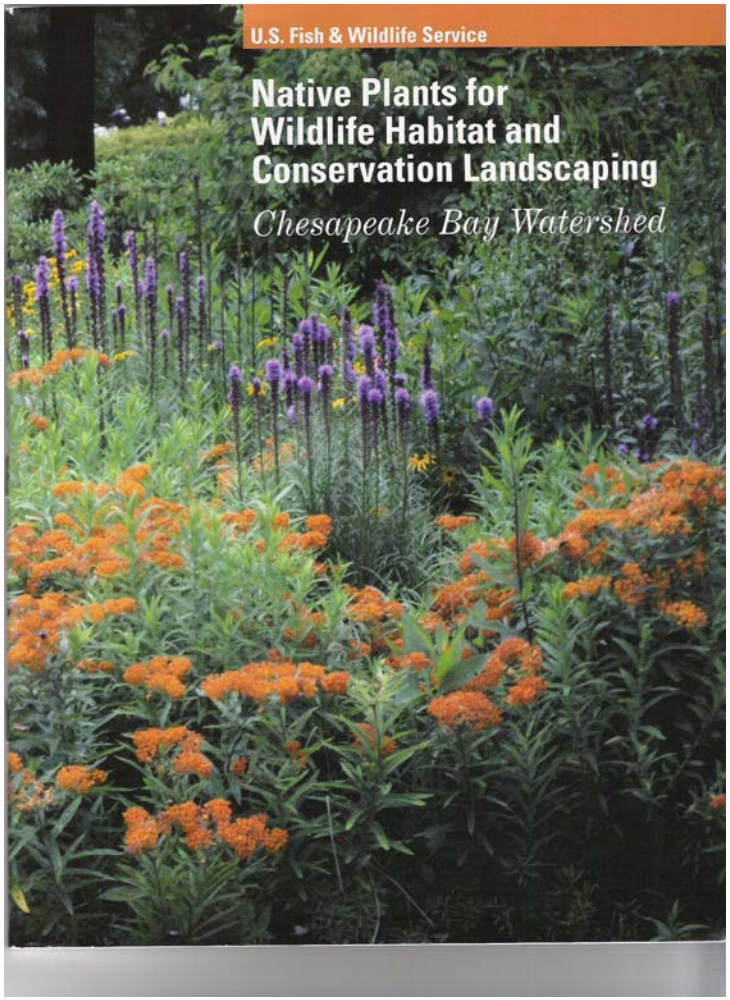
Concepts

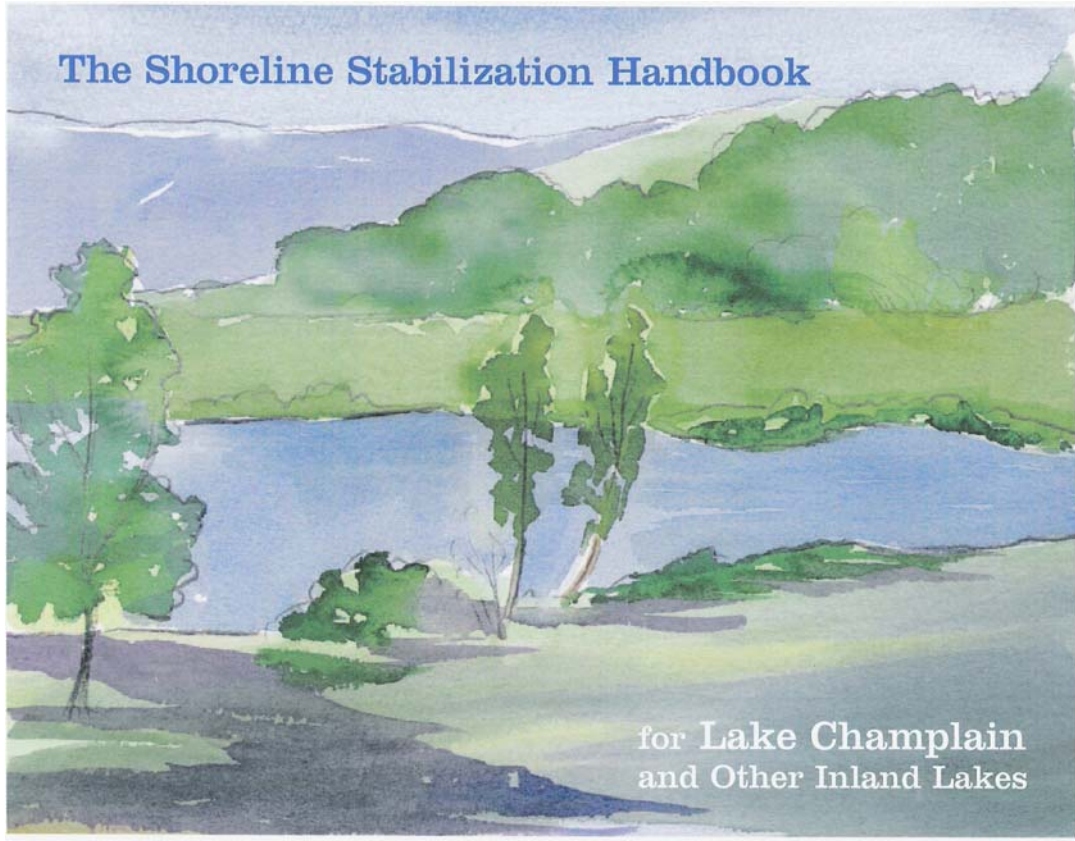
Landscaping for Wildlife and Water Quality

- Plant list is for Minnesota
  - Not for NY



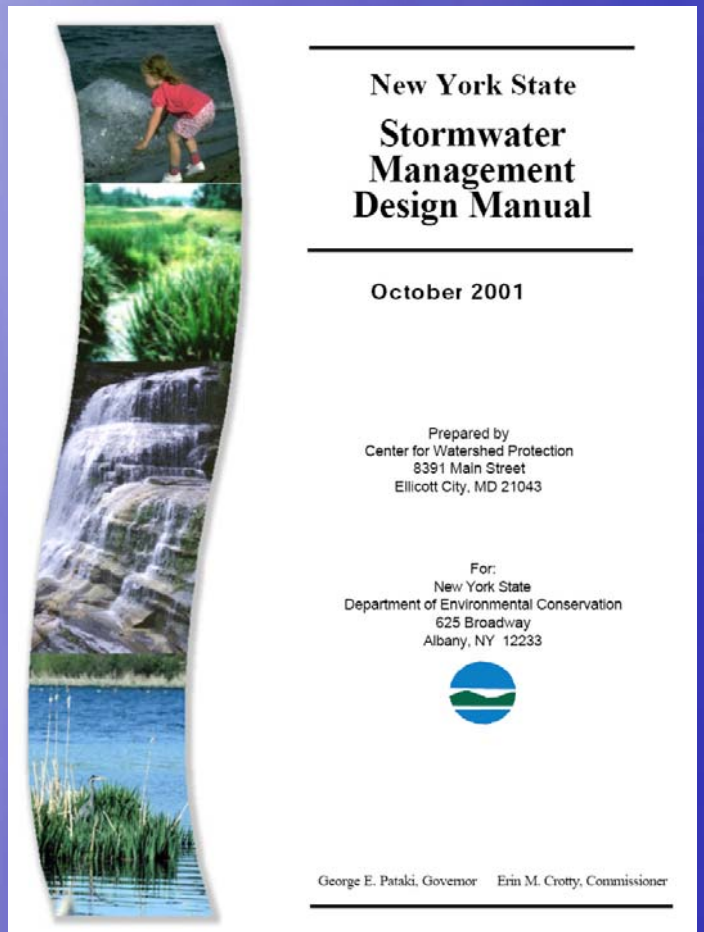
Guiding References

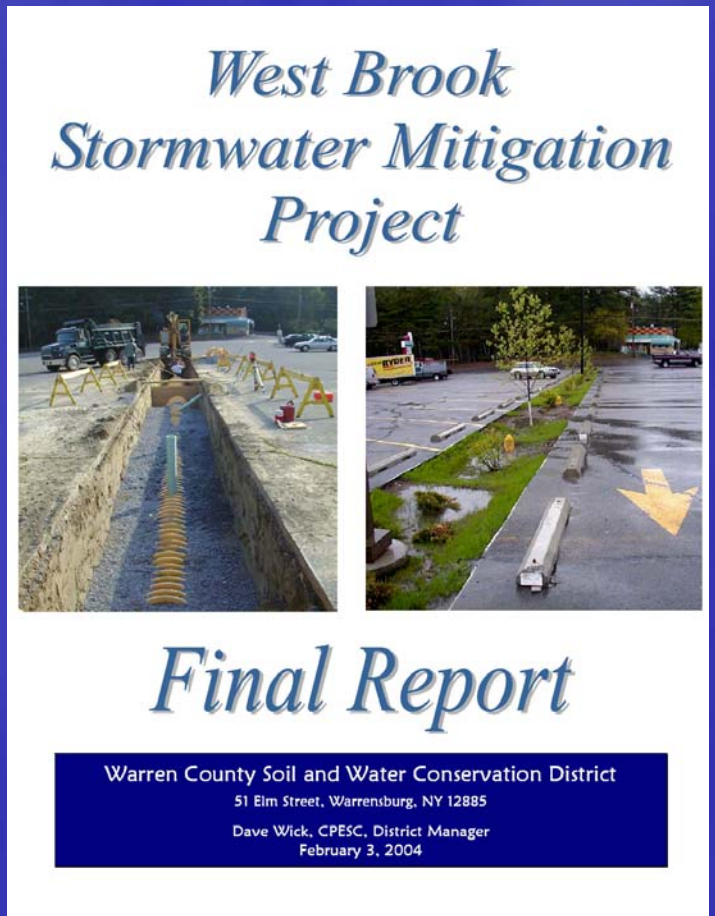




Water & Sediment Trap Documentation

- Technical
- Primer





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